

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1312923

Luminaire Tested: LDSQA3D20R559050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

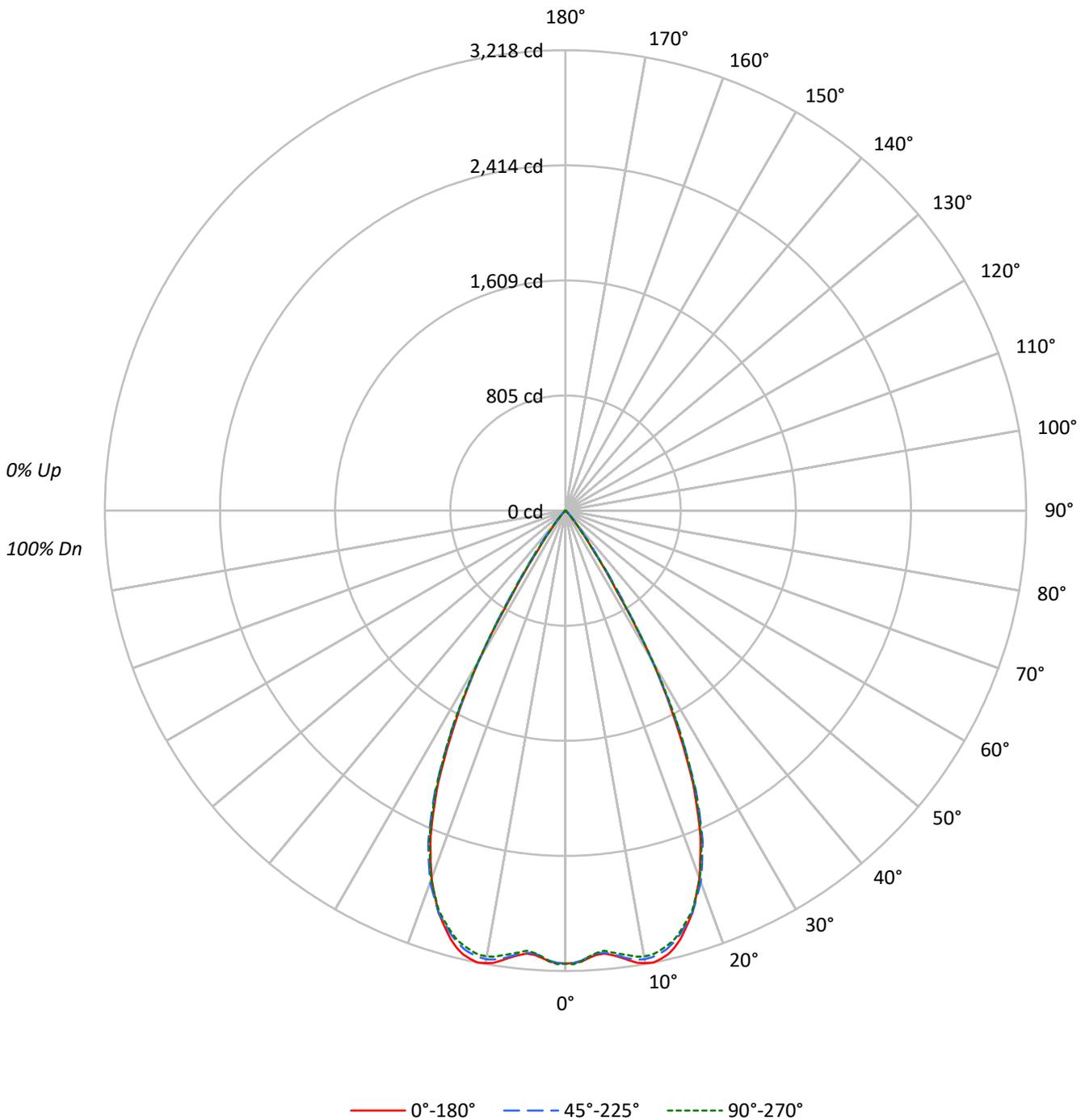
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2427.9 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1312923
CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312923

CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	545291	545291	545291
5°	537468	536517	533959
10°	561765	556921	553371
15°	553009	548070	545752
20°	501442	506519	502798
25°	400994	409412	405555
30°	240468	240468	243411
35°	69486	82290	71799
40°	19919	26978	19919
45°	4506	10351	4506
50°	1983	3456	1474
55°	1651	1651	1651
60°	1894	1894	1894
65°	1508	1508	1508
70°	1863	1863	1863
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 10351 cd/sqm



TEST NUMBER: P1312923

CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.2	12.4
10°-20°	855.7	35.2
20°-30°	942.7	38.8
30°-40°	288.3	11.9
40°-50°	28.5	1.2
50°-60°	5.3	0.2
60°-70°	4.2	0.2
70°-80°	2.3	0.1
80°-90°	0.7	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2098.5	86.4
0°-40°	2386.9	98.3
0°-60°	2420.7	99.7
0°-90°	2427.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2427.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3166	3166	3166	3166	3166	
5°	3109	3109	3103	3094	3089	301
15°	3102	3096	3074	3061	3061	860
25°	2110	2130	2154	2175	2134	930
35°	330	347	391	360	342	271
45°	18	28	42	28	18	22
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P1312923

CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3166.2	3166.2	3166.2	3166.2	3166.2
1°	3162.5	3164.3	3162.5	3158.8	3171.7
2°	3155.1	3153.3	3147.7	3145.9	3151.4
3°	3131.1	3131.1	3123.7	3120.0	3121.9
4°	3112.6	3112.6	3101.6	3097.9	3099.7
5°	3108.9	3108.9	3103.4	3094.2	3088.6
6°	3123.7	3127.4	3114.5	3105.3	3105.3
7°	3145.9	3147.7	3138.5	3125.6	3121.9
8°	3173.6	3175.4	3160.6	3145.9	3138.5
9°	3201.3	3197.6	3177.3	3162.5	3156.9
10°	3212.3	3210.5	3184.6	3169.9	3164.3
11°	3217.9	3208.6	3179.1	3166.2	3164.3
12°	3204.9	3197.6	3166.2	3153.3	3147.7
13°	3182.8	3171.7	3145.9	3132.9	3125.6
14°	3147.7	3136.6	3112.6	3097.9	3099.7
15°	3101.6	3096.0	3073.9	3060.9	3060.9
17.5°	2948.3	2952.0	2946.5	2940.9	2937.2
20°	2736.0	2750.8	2763.7	2756.3	2743.4
22.5°	2464.6	2490.5	2505.2	2508.9	2484.9
25°	2110.2	2130.5	2154.5	2174.8	2134.2
27.5°	1668.9	1687.4	1709.5	1722.5	1716.9
30°	1209.2	1211.1	1209.2	1233.2	1224.0
32.5°	672.0	727.4	736.6	753.2	694.2
35°	330.5	347.1	391.4	360.0	341.5
37.5°	158.8	169.8	212.3	173.5	166.2
40°	88.6	96.0	120.0	99.7	88.6
42.5°	42.5	55.4	64.6	57.2	42.5
45°	18.5	27.7	42.5	27.7	18.5
47.5°	7.4	11.1	25.8	11.1	7.4
50°	7.4	5.5	12.9	5.5	5.5
52.5°	5.5	5.5	7.4	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	3.7	5.5	5.5	5.5	3.7
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7	3.7
72.5°	1.8	3.7	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312923
CATALOG NUMBER: LDSQA3D20R559050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)